

Lead By Example

*The Commonwealth of Virginia **Lead By Example (LEB)** program advances efficient energy management at state government facilities by driving initiatives that save energy and reduce operational costs for a **Clean Energy Virginia**.*



State Renewable Energy Development

- Remington Solar Facility, 20 MW (2017)
- Oceana Solar Facility, 17.6 MW (2018)
- Signed in 2019, a historic state contract of 420 megawatts of renewable energy is the equivalent of powering more than 100,000 homes
- Will ensure that by 2022, 30 percent of the electricity consumed by state agencies and institutions in Virginia comes from renewable sources
- 345 Megawatts coming from four solar energy projects
- 75 Megawatts of wind energy will be Virginia's first-ever onshore wind farm

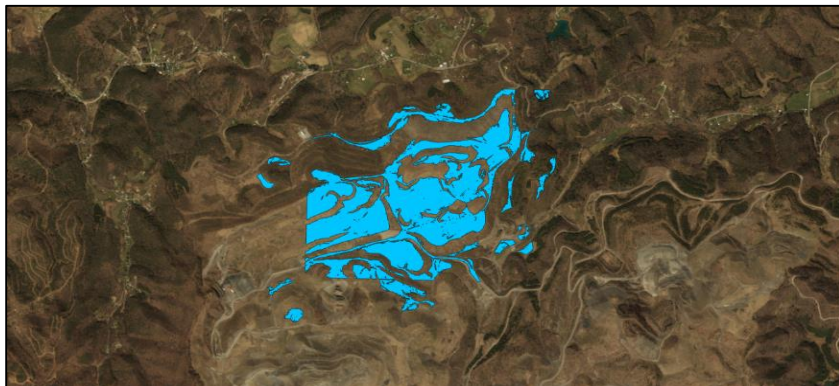
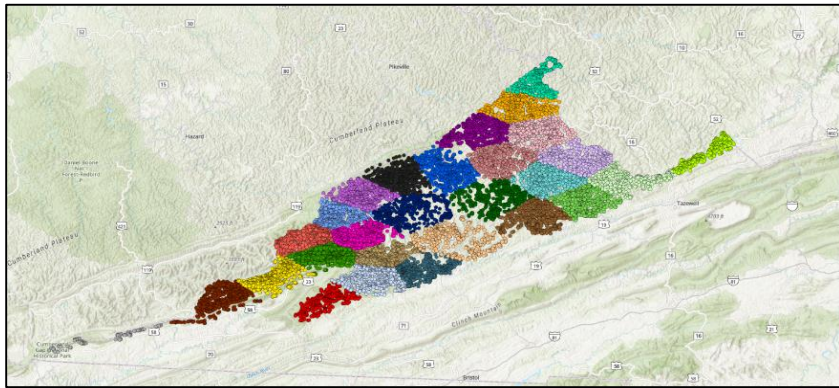
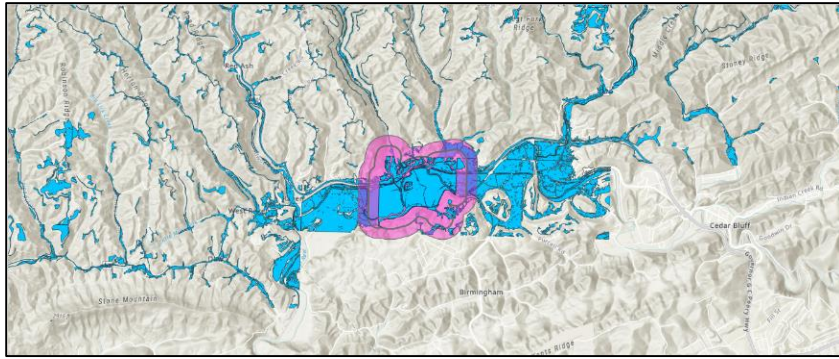


Other State Agencies Solar Projects

- University of Virginia Hollyfield Solar Facility, 17 MW
- University of Virginia Puller Solar Facility, 15 MW
- William & Mary planned 20MW Solar Facility
- Rooftops & ground-mounts
 - VA Public Safety & Training, Hanover
 - Department of Corrections, Haynesville
 - Department of Game and Inland Fisheries
 - Department of Forestry
 - DMME, Big Stone Gap
 - University of Virginia
 - William & Mary
 - James Madison University
 - Virginia Tech



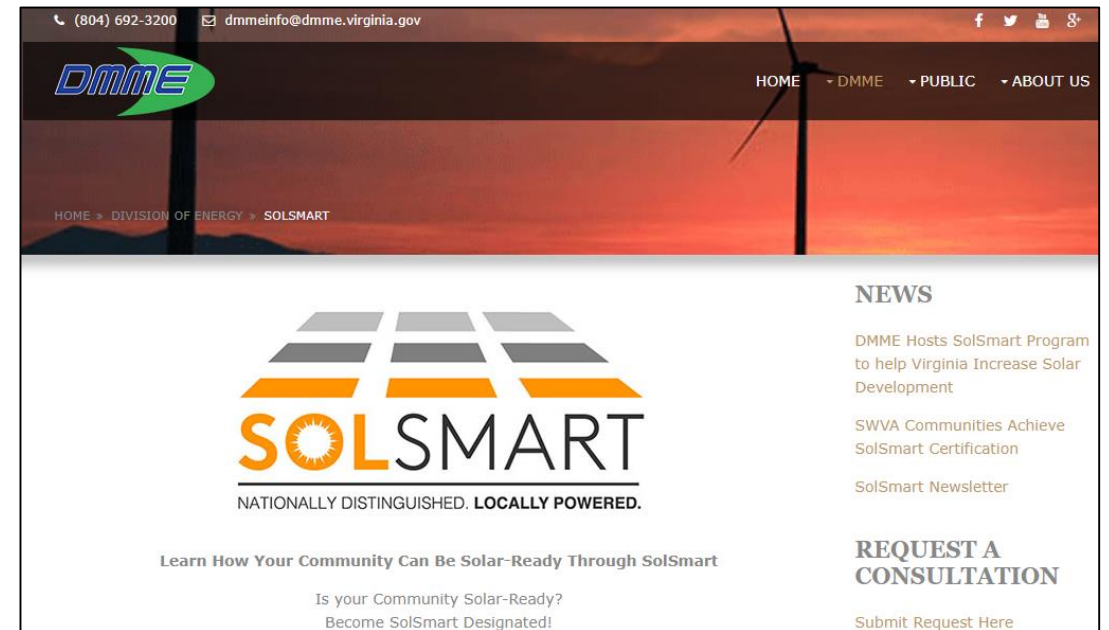
Locality Solar Support



- Dedicated resource approved and funded in 2019 General Assembly Session
- Provide policy and technical assistance to local officials, private companies, and other community members on solar resources and land use, permitting, and environmental decision-making
- Provide best practice approaches to the siting and permitting of large commercial and utility-scale solar installations while balancing competing land uses and interests, including considerations for environmental justice, water quality, historic and cultural resources, and grid infrastructure
- Leverage siting analysis tool

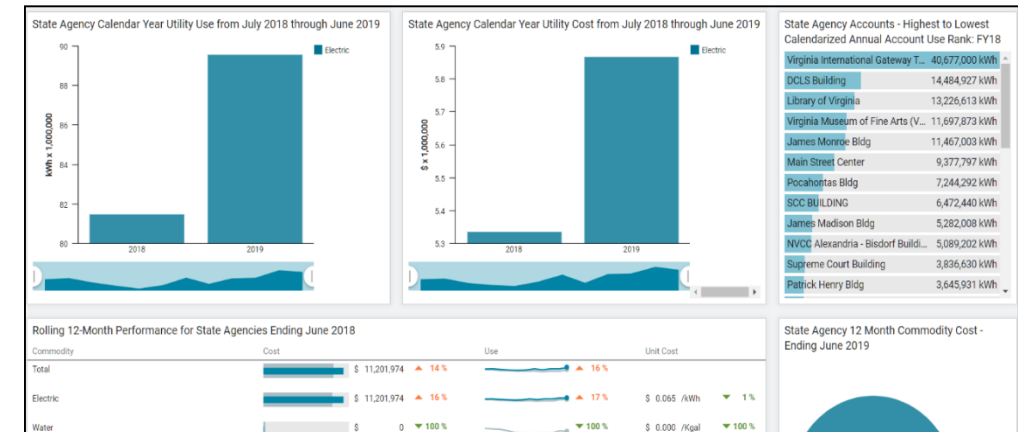
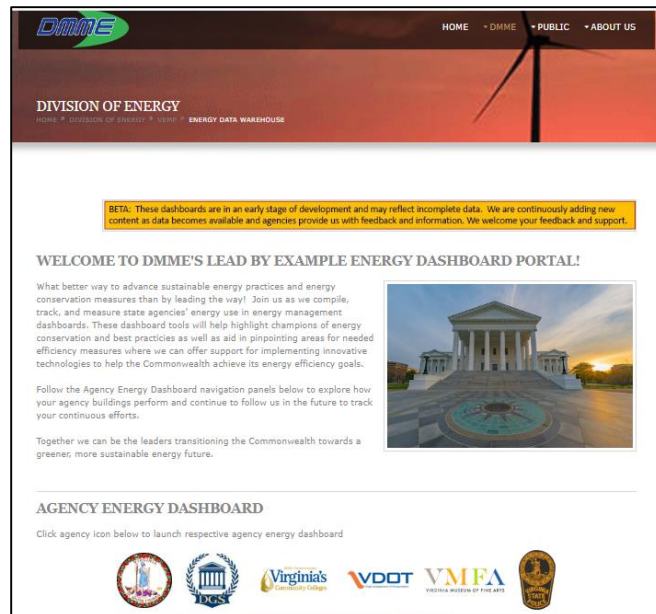
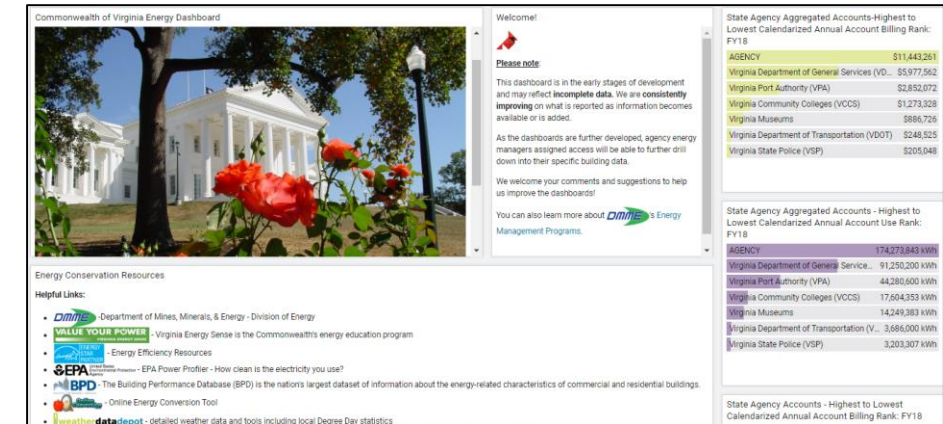
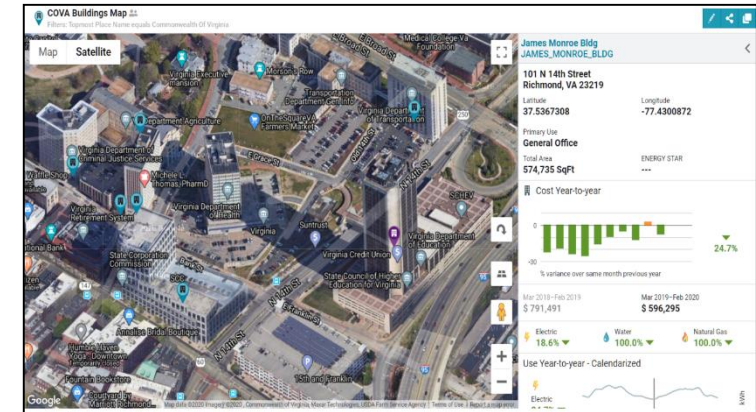
No Cost SolSmart Program

- National designation program
- Recognize communities that have taken key steps to address local barriers to solar energy and foster the growth
- Localities will receive an overview of the SolSmart certification along with technical training and assistance in workshops to become certified
- Localities are able to review their local comprehensive plans, zoning ordinances, building codes, and overall policies to identify how renewable energy (solar) fits into their short and long term planning
- Tool through which community officials can provide clear communications to residents in their jurisdictions, guidance to planning staff, a clear signal to solar developers, and resources for other relevant parties



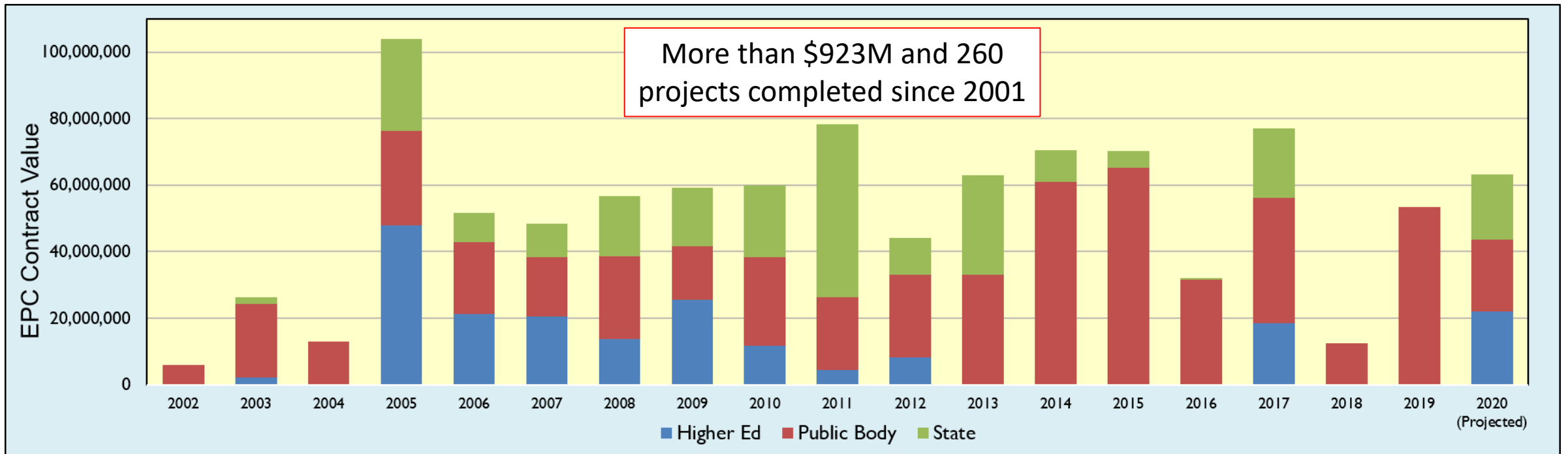
State Energy Data Warehouse

- The Energy Data Warehouse tracks state agencies energy consumption to promote energy conservation and efficiency, highlight best practices, and identify opportunities for improvement
- Launched in April 2020 (40 facilities added)
- Engagement with state energy managers



Energy Savings Performance Contracting

- New State ESPC contract in 2019 for 10-year term provides stability
- Introduced Solar Enhanced EPC in June 2019, to promote solar as supplement to traditional Energy Conservation Measures (ECMs)
- Increased participation in EPC program from State Agencies (Radford, VDOT, SMV, VMNH, VSU)



Demand Response Program

- Pays participating facilities to reduce energy load during times of grid stress
- Avoid dispatching peaker plants and defer new generating plants
- Over \$8M in payout credited back to participating state agencies and public bodies over past three years

